

COUNTRY Soviet Union REPORT NO. \_\_\_\_\_

TITLE Asovstal Steel Plant and Rolling Mill in ZHDANOV (MARIUPOL)

25X1X

EVALUATION

PLACE OBTAINED

25X1A

DATE OF CONTENT

DATE OBTAINED

DATE PREPARED 22 November 1949

REFERENCES

25X1C

PAGES 3 ENCLOSURES (NO. & TYPE) 1 Blueprint

REMARKS

SOURCE

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1. Location:

The Asovstal plant is located east of MARIUPOL (37°34'E/  
47°07'N), Ukrainian SSR east of the Kalmius River, directly  
on the Sea of Azov.

2. Plant Installations:

The plant, which was heavily damaged during the war, had  
been rebuilt since 1945.  
All war damages were repaired by October 1948. Only a  
shop, designated "Machine hall", the scrap department, an  
old shop west of the rolling mill and a garage date back  
as far as 1935, all other buildings being erected after  
1945. The new buildings are either filled in by bricks  
or glass. The roofs are covered with sheet metal or  
coarse fibre slabs, some provided with skylights. Widely  
dispersed RR connection was available. Power was supplied  
from the outside and is transformed by a plant-owned trans-  
former station.  
For plant layout see Annex.  
The plant covers an area of about  $1 \frac{1}{2} \times \frac{1}{2}$  miles.

3. Work Force:

According to Soviet statements, 40,000 workers working in  
three shifts, including 3,000 PWs and 1,200 Soviet prisoners.  
Fifty percent were women and numerous juveniles.

4. Production:

Railroad tracks (no other rolled products were observed).

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Comment:

a. This is the best report received so far on the MARIUPOL  
steel works.

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Annex 10

11. Open-hearth department, a red brick structure which looked very neglected although it was built after 1945. It had a black sheet metal roof resting on steel girders. There were six open-hearth furnaces and several Bessemer converters. Two 120-foot tapering metal smokestacks were located to the north.
12. Old workshop with the inscription "1935", a steel structure with brick lining plastered with grey clay, and a black sheet metal roof. The pigs were taken from their molds and cooled in this shop.
13. Rolling mill department 2,500 feet, divided in several shops. Shop 1, 1,600x120 feet with six furnaces, 5 or 6 dynamos to drive the roll train and the large roll.  
 Shop 2, 2,320x300 feet with various rolls and cogged material  
 Shop 3, 450x120 feet with the continued roll train and 2 furnaces  
 Shop 4, 1,000x240 feet, a steel structure with steel roof girders.  
 The workshop is covered by a flat saddle roof of plastic slabs as far as the beginning of the roll train, then by a number of glassed transversal shed roofs to the west. The upper half of the walls of the entire shop was of glass. At the entrance between shop 3 and 4 there was a shape mill followed by 3 pairs of "transversal" roll trains which could be seen by source. A 12 foot "shop gate" belonged to each pair of roll trains. Source believes that the remaining part of the workshop, which he could not see, was equipped like the described one.
14. Storage and shed for electrical equipment 300x95x25 feet, a brick building with slanting roof, not plastered. The roof was covered with black sheet metal.
15. Grey-plastered brick building 240x90x36 feet, with flat saddle roof.
16. Sewage installation where the entire sewage system of the plant converged. There is a new channel system and an old one which is still partially used.
17. Concrete factory which supplied the concrete used for the construction of the plant. According to statements by Soviets another open-hearth department is to be built later.

To para 13: Six smokestacks were over the annealing furnaces in the southern section of workshops 1 and 2, smokestacks over the annealing furnaces in the northern section of workshop 3.  
 The plant road indicated on the sketch has a local stone pavement. Other new roads with asphalt-grit layer were being constructed. All buildings are new with the exception of the buildings No. 3, 6, 7 and 12 which were built in 1935 or earlier.

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